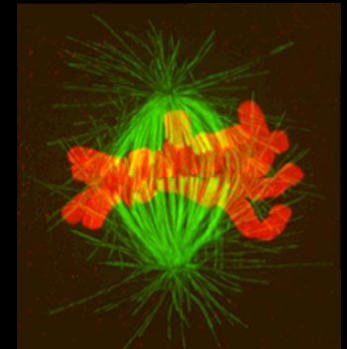


Coming Biology Information Sessions

Introduction to Graduate school

Dr. Gidi Shemer

Wed, Feb 22 5:00-6:30 pm 107 Wilson Hall

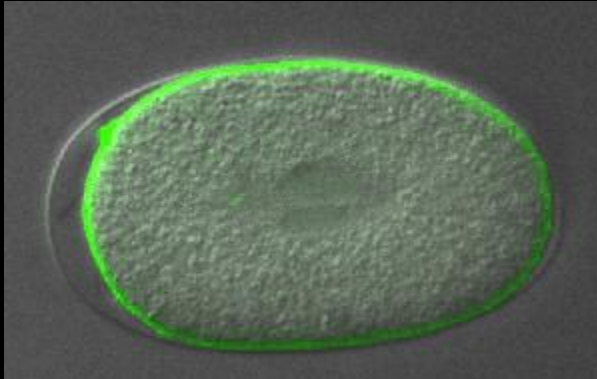


For questions, please contact Dr. Gidi Shemer at bishemer@email.unc.edu

Biology Undergraduate Research

Dr. Gidi Shemer

Wilson G41 bishemer@email.unc.edu



Bob Goldstein



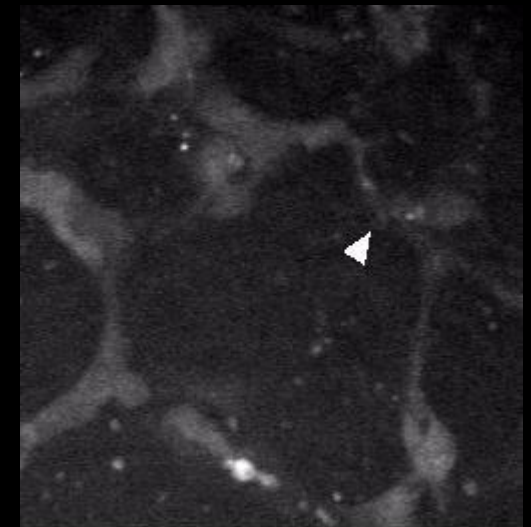
Ted Salmon



Ty Hedrick



Vicki Bautch

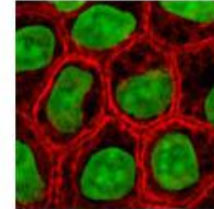


Research Fields



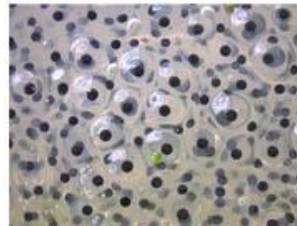
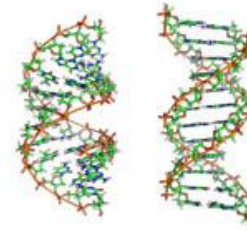
Ecology

Cell and Developmental
Biology



Evolutionary
Biology

Genetics and Molecular
Biology



Organismal and Behavioral
Biology

Plant Biology



Undergraduate Research

- What is it?
- Why should I do it?
- Research for credit/paid research
- How do I find the right lab?
- Tips

Undergraduate Research

What is it?

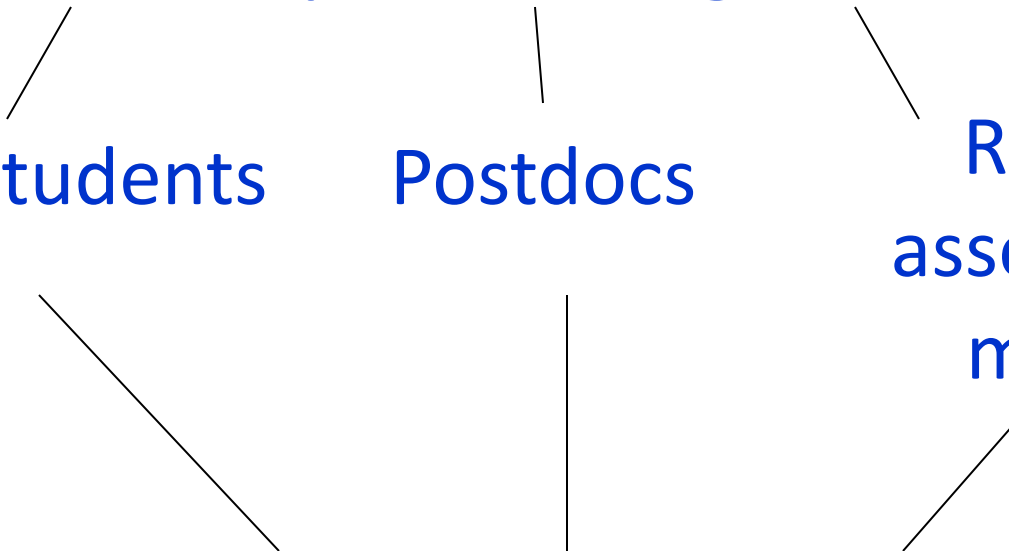
Principle Investigator (PI)

Graduate students

Postdocs

Research
associate/lab
manager

Undergraduate students



What do I do there?

- You will be mentored by a lab member
- Learn about the **big picture** and how **your project** fits into the picture
- Learn the basic techniques
- Gradually becoming more and more independent (in skills AND thinking)
- Meeting with your supervisor and participate in lab meetings
- Write a 10-page paper at the end

Undergraduate Research

Why should I do it?

1: Considering doing research in the future



Dr. Jennifer DeLuca

What are graduate schools looking for?



- Undergraduate GPA
- Skills
- Graduate Record Exam (GRE) scores
- Recommendation letters
- Personal statement

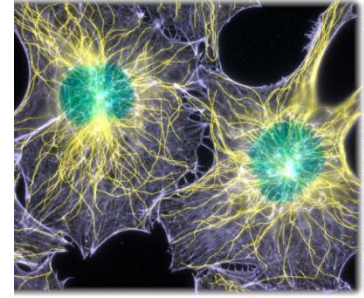


**Research, research and more
research experience**

2: I DON'T know what I want to do



Why should I do it?



- This is one of the top research institutions in the country!
- You will be part of a team
- You are probably going to be the first person doing this exact experiment
- You will start thinking like a scientist
- The first step toward an Honors thesis



Three options:

- For credit
- Get paid
- Volunteer

Research for credit is not a must, but is preferable

Research for credit is restricted for Biology majors

Credit for Research

BIOL 395

-Prerequisites: 201 or 202

GPA 3.0 or better

- Duration : 1-2 semesters (up to 6 credit hr.)

- may be continued as 396 with P/F

- Credit : 3-5 hr. count as a biology elective

6 hr. count as a biology elective w/ a lab

Counts as **Experiential Education**

BIOL 295

- **Prerequisites: 201 or 202**
GPA > 2.0
- **Duration : Only 1 semester**
- **Credit : Counts for your 120/123 hr.**
Counts as **Experiential Education**

BIOL 293 - Internship

-Prerequisites: 201 or 202

GPA > 2.0

-Location: Off campus (e.g. RTP, Alaska)

- Credit : Does NOT count as a biology elective
Counts for your 120/123 hr.
Counts as **Experiential Education**

-Payment: possible

- Make sure it is approved **IN ADVANCE**

Dr. Steve Matson [smatson@bio.unc.edu]

Dr. Jennifer Coble [JCoble@bio.unc.edu]

BIOL 395 can be taken in the summer
(135 hrs. of lab work)

It does involve registering to summer school
(and that means paying for summer school...)

Another option: find a paid research
position, continue with research for credit
in the fall semester

BIOL 211-

An introductory course to research in Biology

Dr. Pat Pukkila

211 + 395 = bio elective w/ lab

How do I identify a lab?

1. <http://www.bio.unc.edu/>
2. <http://webapps.med.unc.edu/BBSP/BBSPFaculty/research>
4. http://www.unc.edu/depts/our/for_students.html
(Office of Undergraduate Research + Liaisons)

Please also look at the **CRSP** program!

How do I find a lab position?

1) You have to FIND a lab: search department websites on your own, look for flyers around science buildings

2) APPROACH the "P.I." (principal investigator); This person is a PhD or MD or runs the lab

3) ASK/APPLY for a position (via email with a resume or by walking over to the lab). Impress them like you would do for any job interview. *Address these questions:* Why do you want to do research? What do you want to do it in their lab? What are your strengths? What courses have you taken that are relevant?



“to whom it may concern”

“I couldn’t find any lab position”

Stand out in class and discuss research opportunities with **your professor**

Look for positions of **lab technician** and **lab assistant**



Help Will Bradford and interview faculty for the new website bradford.will@gmail.com

<http://www.bio.unc.edu/ByUndergrads/>

Finally, I found a lab, how do I register?

- Pick up a form from **Student Services** at 213 Coker
- The form requires your PI's signature. Fill out the form and bring it back. Ms. Summer Montgomery will enroll you
- **Deadline: 1st week of the semester**

Finally, I found a lab, how do I register?

- If the research is performed in another department, you must identify a **Biology sponsor**

Any special circumstances:

Dr. Gidi Shemer

bishemer@email.unc.edu

Other opportunities

Institute for the Environment

<http://www.ie.unc.edu/>

Contact Dr. Greg Gangi at

ggangi@email.unc.edu

